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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

9/09/2002

VIKKI MERIWETHER PARALEGAL ARNOLD WHITE & DURKEE P O BOX 4433 HOUSTON, TX 77210-4433 EXAMINER

BELYAVSKYI, MICHAIL A

ART UNIT CLASS-SUBCLASS

1644 435-816000

DATE MAILED: 09/09/2002

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	09/464.099	12/16/1999	GERARD FRANCIS BARRY	MOBT:175-2	7129

TITLE OF INVENTION: ANTIBODY IMMUNOREACTIVE WITH A 5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE SYNTHASE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$300	\$1580	12/09/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

	Application N	lo.	Applicant(s)	-		
· · · · · · · · · · · · · · · · · · ·	09/464,099		BARRY ET AL.			
Notice of Allowability	Examiner		Art Unit			
	Michail A Bely	avskyi	1644			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
 This communication is responsive to 20 June 2002. The allowed claim(s) is/are 102-104 and 107. The drawings filed on are accepted by the Examiner. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). All b) Some* c) None of the: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). 						
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). (a) The translation of the foreign language provisional application has been received. 6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
7. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives reason				NOTICE OF		
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No (b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner. (c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) 						
of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson. 9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s)						
 1 ☐ Notice of References Cited (PTO-892) 3 ☑ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ☐ Information Disclosure Statements (PTO-1449), Paper No 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4 6 8	Interview Summa	I Patent Application (I ry (PTO-413), Paper idment/Comment ment of Reasons for <i>i</i>	No		



PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE Commissioner for Patents

Washington, D.C. 20231 (703)746-4000

INSTRUCTIONS: This form should be used appropriate. All further correspondence in indicated unless corrected below or direct maintenance fee notifications.	cluding the Pa ed otherwise in	itent, advance orders in Block 1, by (a) spe	EE and PUBLIC and notification ecifying a new co	of maintenance to orrespondence add	required). Blocks I through 4 ces will be mailed to the curren dress; and/or (b) indicating a sep	parate "FEE ADDRESS" for
VIKKI MERIWETHER PAI ARNOLD WHITE & DURKEI P O BOX 4433 HOUSTON, TX 77210-4433	Block I)	Fcc(s) Transm accompanying formal drawing, I hereby certify United States Pe envelope addres	ate of mailing can only be used fittal. This certificate cannot papers. Each additional paper, must have its own certificate of Certificate of Mailing or Tranith this Fec(s) Transmittal is satal Service with sufficient postsed to the Box Issue Fee addressed USPTO, on the date indicated	be used for any other such as an assignment or mailing or transmission. Ismission Se being deposited with the age for first class mail in an as above, or being facsimile		
						(Depositor's name
						(Signature
						(Date
APPLICATION NO. FILING I	DATE	FIRS	ST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/464,099 12/16/			RD FRANCIS B		MOBT:175-2	7129
APPLN. TYPE SMALL E	NTITY	ISSUE FEE	PUBL	ICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional NC		\$1280		\$300	\$1580	12/09/2002
EXAMINER		ART UNIT	CLASS-SUBCI	ASS		
BELYAVSKYI, MICHAIL A		1644	435-81600	0		
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			the names of u or agents OR, single firm (ha attorney or age registered paten	on the patent from to 3 registered alternatively, (2) twing as a membert) and the nanut attorneys or age will be printed.	patent attorneys the name of a per a registered nes of up to 2	
3. ASSIGNEE NAME AND RESIDENCE PLEASE NOTE: Unless an assignce is id been previously submitted to the USPTO o (A) NAME OF ASSIGNEE	entified below	, no assignee data wi nitted under separate	ill appear on the p cover. Completic	oatent. Inclusion on of this form is North and STATE OR	COUNTRY)	дптен.
Please check the appropriate assignee categories	ory or categoric			☐ individual	corporation or other private g	group entity governmen
4a. The following fee(s) are enclosed:		•	ment of Fec(s):	of the fee(s) is en	closed	
☐ Issue Fee				i. Form PTO-2038		
□ Publication Fee		•			by charge the required fee(s), or	credit any overpayment, to
Advance Order - # of Copics Commissioner for Patents is requested to ap	ply the Issuc F		t Account Numbe ee (if any) or to re		(enclose an extra copy of this ously paid issue fee to the applica	
(Authorized Signature) NOTE; The Issue Fee and Publication Fother than the applicant; a registered attenderest as shown by the records of the Uniterest.	ce (if required	(Date) (Date) (Date) (Date) (Date)	ed from anyone r other party in			

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20201 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/464,099	12/16/1999	GERARD FRANCIS BARRY	MOBT:175-2	7129	
75	90 09/09/2002		EXAMINER		
VIKKI MERIWETHER PARALEGAL			BELYAVSKYI, MICHAIL A		
ARNOLD WHITE & DURKEE P O BOX 4433			ART UNIT	PAPER NUMBER	
HOUSTON, TX 77	210-4433		1644		
			DATE MAILED: 09/09/2002		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)



United States Patent and Trademark Office



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231 www.uspta.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/464,099	12/16/1999	GERARD FRANCIS BARRY	MOBT:175-2	7129	
	590 09/09/2002		EXAMINER		
VIKKI MERIWI	ETHER PARALEGAL	•	BELYAVSKYI, MICHAIL A		
ARNOLD WHITE P O BOX 4433	& DURKEE		ART UNIT	PAPER NUMBER	
HOUSTON, TX 7			1644		
UNITED STATES	•		DATE MAILED: 09/09/2002		

Notice of Possible Fee Increase on October 1, 2002

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2002, then the amount due may be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there may be an increase in fees effective on October 1, 2002. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Notice of Proposed Rulemaking, 67 Fed. Reg. 30634, 30636 (May 7, 2002). Although a change to the amount of the publication fee is not currently proposed for October 2002, if the issue fee or publication fee is to be paid on or after October 1, 2002, applicant should check the USPTO web site for the current fees before submitting the payment. The USPTO Internet address for the fee schedule is: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of any fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after October 1, 2002 (or mailed with a certificate of mailing on or after October 1, 2002), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

#24/H

Page 2

Application/Control Number: 09/464,099

Art Unit: 1644

DETAILED ACTION

1. Applicant's election without traverse of Group I, claims 102-104 and 107 in Paper No. 22 is acknowledged.

2. Claims 108 - 111 are withdrawn from further consideration by the Examiner, 37 C.F.R. § 1.142(b) as being drawn to a nonelected invention.

EXAMINER'S AMENDMENT

- 3. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.
- 4. Authorization for this Examiner's Amendment was given in a telephone interview with Janelle D. Waack on 09/03/02.

IN THE SPECIFICATION:

- 4. On pages 9 –12 in "Brief description of the drawings":
- A) "17 Figures 1A+1B show" has been changed to -- Figures 1A 1B show ---
- B) "12 Figures 3A, 3A,3C, 3D, 3E show" has been changed to -- Figures 3A 3E show ---
- C) "Figure 4A-4E show" has been changed to -- Figures 4A-4E show--.
- D) "1 Figures 5A-5E show" has been changed to -- Figures 5A-5E show--:
- E) "4 Figures 6A + 6B show" has been changed to -- Figures 6A 6B show-
- F) "6 Figures 7A +7 B show" has been changed to -- Figures 7A -7B show --
- G) "8 Figures 8A +8 B show" has been changed to -- Figures 8A -8B show --:
- H) "15 Figures 10A +10 B show" has been changed to -- Figures 10A -10B show -
- I) "Figures 12A +12 B show" has been changed to --Figures 12A -12B show ---
- J) "8 Figures 18A -18 D show" has been changed to --Figures 18A -18D show --.
- K) "12 Figures 19A -19 D show" has been changed to -- Figures 19A -19D show --.
- L) "15 Figures 20A 20 K show" has been changed to -- Figures 20A 20K show ---
- M) "- Figures 21A -21 E show" has been changed to -- Figures 21A -21 E show --.
- N) "- Figures 22A -22 E show" has been changed to -- Figures 22A -22 E show --.
- O) "- Figures 23A -23 D show" has been changed to -- Figures 23A 23 D show --.

IN THE TITLE:

- 5. "Glyphossate-tolerant 5-enolpyruvylshikimate-3-phosphate synthases" has been changed to
- An antibody immunoreactive with a 5-enolpyruvylshikimate-3-phosphate synthase --

Application/Control Number: 09/464,099

Art Unit: 1644

IN THE Claims:

6. Non-elected Claims 108-111 have been canceled.

REASONS FOR ALLOWANCE

1. The following is an Examiner's Statement of Reasons for Allowance:

Claims 102-104 and 107 are pending and allowed.

The prior art does not teach or suggest an antibody immunoreactive with a 5-enolpyruvylshikimate-3-phosphate synthase enzyme, wherein enzyme comprises SEQ ID:3 or SEQ ID NO:70.

2. Formal drawings have been submitted which fail to comply with 37 CFR 1.84. Please see the enclosed form PTO-948.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

A. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the "Notice of Allowability." Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

B. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, MUST be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Application/Control Number: 09/464,099

Art Unit: 1644

Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.185(a). Failure to take corrective action within the set (or extended) period will result in ABANDONMENT of the application.

- 3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michail Belyavskyi whose telephone number is (703) 308-4232. The examiner can normally be reached Monday through Friday from 9:00 AM to 5:30 PM. A message may be left on the examiner's voice mail service. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Chan can be reached on (703) 308-3973. Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center 1600 receptionist whose telephone number is (703) 308-0196.

Papers related to this application may be submitted to Technology Center 1600 by facsimile transmission. Papers should be faxed to Technology Center 1600 via the PTO Fax Center located in Crystal Mall 1. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The CM1 Fax Center telephone number is (703) 305-3014.

Michail Belyavskyi, Ph.D. Patent Examiner Technology Center 1600 September 3, 2002

CHRISTINA CHAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600

	Application No.	Applicant(s)	
Interview Summary	09/464,099	BARRY ET AL.	
interview Gammary	Examiner	Art Unit	
	Michail A Belyavskyi	1644	
All participants (applicant, applicant's representative, PTO	personnel):		
(1) <u>Michail A Belyavskyi</u> .	(3)		
(2) Janelle Waack.	(4)		
Date of Interview: 03 September 2002.			
Type: a)⊠ Telephonic b)□ Video Conference c)□ Personal [copy given to: 1)□ applicant 2	2) applicant's representative	e]	
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e)⊠ No.		
Claim(s) discussed: <u>102-104,107,108-111</u> .		•	
Identification of prior art discussed: none.			
Agreement with respect to the claims f) was reached.	g) was not reached. h)] N/A.	
Substance of Interview including description of the general reached, or any other comments: $\underline{\textit{mn}}$.	nature of what was agreed to	if an agreement was	
(A fuller description, if necessary, and a copy of the amendallowable, if available, must be attached. Also, where no callowable is available, a summary thereof must be attached	opy of the amendments that w		
 i)⊠ It is not necessary for applicant to provide a se checked). 	parate record of the substance	e of the interview(if box is	
Unless the paragraph above has been checked, THE FORI MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW action has already been filed, APPLICANT IS GIVEN ONE STATEMENT OF THE SUBSTANCE OF THE INTERVIEW	(See MPEP Section 713.04) MONTH FROM THIS INTERV	If a reply to the last Office //IEW DATE TO FILE A	

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

reverse side or on attached sheet.

Examiner's signature, if required